

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Application of : Filtra Systems, Inc.

U.S. Serial No. : 10/783,969

Filed On : Feb. 20, 2005

For : MACHINE TOOL COOLANT SYSTEM

Attorney Docket No. : FSC-190

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**JUN 05 2006**

**REQUEST FOR RECONSIDERATION**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated March 8, 2006, applicant respectfully requests reconsideration of the rejection of claims 1-7 under 35 USC 102(b) as being anticipated by Maier (U.S. 5,223,156).

Maier uses a series of elevated tanks 4 into which dirty coolant is pumped from an associated sump 1A, 1B, 1C by pumps 2. The elevated tanks 4 are connected to a return pipe 6 which is connected to a collecting tank 7 beneath the elevated tanks.

A shut off valve 8 and flow sensor 10 are connected to the pipe section above the tank 7. After filling, coolant is returned via clean supply pipe 12.

Flow in the return pipe 6 is controlled by control over the shut off valve 8 which is closed so that the pipes 5 and 6 are normally full, with valve 8 periodically opened to cause a sudden

emptying of tank 4 to clean the pipe 6. Controlling the valve 8 by console 19 apparently is contemplated for continuous flow taking into account the "sedimentation velocity".

Accordingly, there is no disclosure of directing a make up flow of filtered coolant into the collecting pipe 6 nor to control that make up flow to be at a rate just sufficient to maintain a minimum flow velocity of the coolant therein as recited in claim 1. Nor is there any disclosure of connecting a pressure reducing valve in a bypass line for directing clean coolant into the return piping which causes a flow just sufficient to maintain a pressure in said return piping corresponding to the minimum flow velocity as claimed in claim 6.

The addition of a pressure monitoring valve as recited in claim 7 (and claim 4) is likewise not disclosed.

The system of Maier is much more complicated as it requires a series of elevated tanks and complex electrical controls to maintain flow in the pipe 6.

Accordingly, claims 1-7 are urged to define patentably over Maier and to be in condition for allowance.

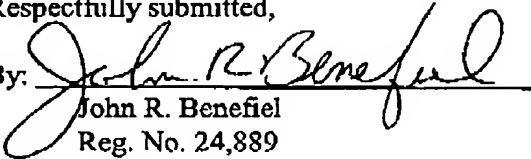
Such action is respectfully requested.

Date: June 5, 2006

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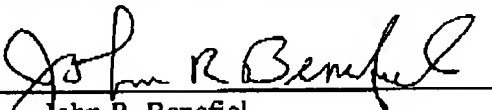
Respectfully submitted,

By:

  
John R. Benefiel  
Reg. No. 24,889

**CERTIFICATE OF TRANSMISSION UNDER 37 C.F.R. 1.8(a)**

It is hereby certified that this correspondence, along with any items referred to as being attached or enclosed, is being transmitted to the United States Patent and Trademark Office, Facsimile No. 571-273-8300, on June 5, 2006 .

By:   
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